

CHAPTER 1

ADMINISTRATION

SECTION 102 – APPLICABILITY

Section 102.9 Conflicting provisions. Is hereby **AMENDED** by **ADDING** the following sentence:

Where this code conflicts with any Tucson Code provision or other provisions of local law, the more restrictive shall apply.

SECTION 104 - GENERAL AUTHORITY AND RESPONSIBILITIES

Section 104.10 Fire investigations. Is hereby **DELETED** (in its entirety) and **REPLACED** with the following:

Section 104.10 Fire investigations. The fire department shall investigate or cause to be investigated promptly the cause, origin and circumstances of each and every fire occurring in the jurisdiction involving loss of life or injury to a person or destruction or damage to property and, if it appears to the member of the fire department making the investigation that such fire is of suspicious origin, the member shall take immediate charge of all physical evidence or notify the proper agency who shall then take immediate charge of all physical evidence relating to the cause of the fire and shall, if and as necessary or appropriate, secure the site. The fire investigator shall continue to pursue the investigation to its conclusion.

Section 104.11.2 Obstructing operations. Is hereby **DELETED** (in its entirety) and **REPLACED** with the following:

Section 104.11.2 Obstructing operations. Any person who attempts to obstruct or obstructs the operations of the fire department in connection with a suspected or reported fire or other emergency, whether or not such fire or emergency is found to exist, or disobeys any lawful command of the chief or officer of the fire department who is in charge of such operations, or any part thereof, or any police officer assisting the fire department, shall be guilty of a misdemeanor as provided in Tucson Code Section 11-110. Any person operating any vehicle who shall willfully or carelessly permit the same to obstruct the progress of any apparatus of the fire department organization going to a suspected, reported or actual fire or other emergency or who shall willfully damage any hose or apparatus belonging to the fire department shall be guilty of a misdemeanor as provided in Tucson Code Section 11-112.

Section 104.11 Authority at fires and other emergencies. Is hereby **AMENDED** by **ADDING** the following subsection:

Section 104.11.4 Restricting public access. It shall be the duty of the Chief of Police of the City, at the time of any fire, to place ropes or guards across all streets, lanes or alleys on which shall be situated any building on fire, and at such other points as are deemed expedient and necessary. Any person entering within the line indicated by such ropes or guards and refusing to go outside such lines when directed to do so by any police officer or officer of the fire department shall be deemed guilty of a misdemeanor as provided in Tucson Code Section 11-111.

SECTION 105 - PERMITS

Section 105.1.1 Permits required. Is hereby **AMENDED** by **ADDING** a second paragraph as follows:

It shall be unlawful for any person, firm or corporation to use a building or premises or engage in any activities for which a permit is determined to be required by the fire code official under this code without first having obtained such permit. For information on required permits, contact the Tucson Fire Department, Fire Prevention Section and Community Safety Division. The telephone number is (520) 791-4502 or Fax (520) 791-5346.

Section 105.6.16 #3 Flammable and combustible liquids. Is hereby **AMENDED** by **ADDING** the words “or Class IIIB” after the word “Class IIIA.”

Section 105.6.43 Temporary membrane structures, tents, and canopies. Is hereby **DELETED** and **REPLACED** with the following:

Change 200 square feet (19m²) to 400 square feet (37m²) for tents and change 400 square feet (37m²) to 900 square feet (84m²) for canopies.

Section 105.7.6 #3 Flammable or combustible liquids. Is hereby **AMENDED** by **ADDING** the word “test,” after the word “install.”

Section 105.7.13 Temporary membrane structures, tents, and canopies. Is hereby **DELETED** and **REPLACED** with the following:

Change 200 square feet (19m²) to 400 square feet (37m²) for tents and change 400 square feet (37m²) to 900 square feet (84m²) for canopies.

SECTION 108 - BOARD OF APPEALS

Section 108.1 Board of appeals established. Is hereby **DELETED** (in its entirety) and **REPLACED** with the following:

Section 108.1 Board of appeals. The Board of Appeals, as created and structured in Chapter 6, Article II, of the Tucson Code, is hereby vested with the jurisdiction to determine the suitability of the alternate materials and types of construction and to provide reasonable interpretations and applications of the provisions of this Code. All procedures concerning the Board's activities shall be as provided for in said Chapter 6, Article II, of the Tucson Code. The fire code official, or an authorized representative, shall serve as an ex officio member and shall assist the Building Official in the processing of appeals.

Section 108 Administration. Is hereby **AMENDED** by **ADDING** the following subsection to read as follows:

Section 108.4 Administrative appeal. Whenever a violation of this code has been found and the applicant wishes to appeal the decision of the staff because of code interpretation, or unreasonable hardship, an appeal may be filed to the fire code official or an authorized representative, within 14 calendar days of the determination of a violation as follows:

1. The appeal will be heard by the fire code official, or an authorized representative within 10 working days of the receipt of the appeal.
2. The fire code official, or an authorized representative, may use a Hearing Committee consisting of such staff as is deemed appropriate to provide advice on a particular appeal.
3. Adequate information shall be provided by the applicant on the Petition of Appeal to fully describe the condition(s) in question.
4. The applicant may, but is not required to, meet with the fire code official, or a designated representative, to discuss the appeal.
5. If the appeal is denied, the applicant shall comply with the requirement(s) of the fire code or file an appeal to the Board of Appeals as provided in Section 108.1 of this code within 30 days of the date the appeal is denied.

SECTION 109 - VIOLATIONS

Section 109.3 Violation penalties. Is hereby **DELETED** (in its entirety) and **REPLACED** with the following:

Section 109.3 Violation penalties. Persons who violate a provision of this code or fail to comply with any of the requirements thereof or who shall erect, install, alter, repair or do work in violation of the approved construction documents or direction of the fire code official, or of a permit or certificate used under provisions of this code, shall be guilty of a civil infraction. Each day that a violation continues after due notice has been served shall be deemed a separate offense.

SECTION 111 - STOP WORK ORDER

Section 111.4 Failure to comply. Is hereby **DELETED** (in its entirety) and **REPLACED** with the following:

Section 111.4 Failure to comply. Any person, who shall continue any work after having been served with a stop work order, except such work as that person is directed to perform to remove a violation or unsafe condition, shall be guilty of a civil infraction.

CHAPTER 2 DEFINITIONS

SECTION 201 - GENERAL

Section 201.3 Terms defined in other codes. Is hereby **AMENDED** by **DELETING** the words "International Plumbing Code".

SECTION 202 - GENERAL DEFINITIONS

The following definitions are hereby **ADDED** to read as follows:

BARBECUE PIT. An enclosure in which approved fuels are burned to make a bed of hot coals over which food is barbecued.

PERSON is a natural person, heirs, executors, administrators or assigns, and also includes a firm, partnership or corporation, its or their successors or assigns, or the agent of any of the aforesaid.

QUALIFIED TESTING OR SERVICING PERSONNEL. (Applies to Sections 904.11.6.4 and C-101.3 only)

A person qualified by a license or certification to perform the inspection or work. The certification or license shall be of the appropriate level and classification and be issued by the State of Arizona, International Code Counsel (ICC), National Fire Protection Association (NFPA), National Institute for Certification in Engineering Technologies (NICET), or other organization approved by the Fire Official.

SORORITY AND FRATERNITY HOUSES. Any building used in whole or part as a dwelling and occupied by and maintained exclusively or primarily for college, university, or professional school students who are affiliated with a social, honorary, or professional organization recognized currently or in the past by a college, university, or professional school.

UNLAWFUL, unless otherwise specifically provided, means civil infraction.

OCCUPANCY CLASSIFICATION

Educational Group E Day care. Is hereby **AMENDED** by **ADDING** the following **Exception**.

Exception: A single story Child Care Group Home with up to 10 children defined by Arizona Department of Health Services R9-5-701 shall be classified as a Residential Group R-3.

Institutional Group I-1. Is hereby **AMENDED** by **REPLACING** "...more than 16 persons," with "...more than 10 persons," in the first sentence and "...not more than 16 persons," with "...not more than 10 persons," in the last sentence.

Residential Group R-2. Is hereby **AMENDED** by **ADDING** the word "Condominium" to the list.

Residential Group R-3. Is hereby **AMENDED** by **ADDING** the word "Townhouse" to the list.

Residential Group R-4. Is hereby **AMENDED** by **DELETING** R-4 (in its entirety) and **REPLACING** it with the following:

R-4 Residential occupancies shall include buildings arranged for occupancy as Residential Care/Assisted Living Homes including more than five but not more than ten occupants who because of age, mental or physical disability, or other reasons, live in a supervised residential environment which provides care as defined by the Arizona Department of Health Services.

CHAPTER 3

GENERAL PRECAUTIONS AGAINST FIRE

SECTION 302 - DEFINITIONS

Section 302.1 Definitions. Is hereby **AMENDED** by **DELETING** the definition of **BONFIRE** (in its entirety).

SECTION 307 - OPEN BURNING AND RECREATIONAL FIRES

Section 307.1.1 Prohibited open burning. Is hereby **AMENDED** by **ADDING** the following sentence:

“The burning of dead or cut vegetation, waste material, or rubbish is prohibited.”

Section 307.2 Permit required. Is hereby **AMENDED** by **DELETING** the words “, or a bonfire”.

Section 307.4.1 Bonfires. Is hereby **DELETED** (in its entirety) and **RESERVED**.

Section 307.5 Attendance. Is hereby **AMENDED** by **DELETING** the word “bonfires”.

Section 307.6 Barbecue Pits. Is hereby **AMENDED** by **ADDING** the following subsections to read as follows:

Section 307.6.1 Indoor locations. Barbecue pits used for cooking operations in buildings shall be constructed using commercial cooking equipment in accordance with the International Mechanical Code.

Section 307.6.2 Outdoor locations.

Section 307.6.2.1 Construction. Barbecue pits in outdoor locations shall be constructed of approved noncombustible materials.

Section 307.6.2.2 Location. Barbecue pits outside of buildings shall not be located within 10 feet (3048 mm) of combustible walls or roofs or other combustible material.

Section 307.6.2.3 Attendance. Barbecue pits shall be constantly attended until the fire is extinguished. A minimum of one portable fire extinguisher complying with Section 906 with a minimum 4-A rating or other approved on-site fire-extinguishing equipment, such as dirt, sand, water barrel, garden hose or water truck, shall be available for immediate utilization.

SECTION 308 - OPEN FLAMES

Section 308.3.1 Open-flame cooking devices. Is hereby **AMENDED** by **DELETING** Exception #2 (in its entirety).

Section 308.3.6 Theatrical performers. Is hereby **AMENDED** by **ADDING** the following subsections:

Section 308.3.6.1 Audience control. The audience shall be at least 30 feet away from the closest projection of an open flame device. Audience control shall be established by use of a physical barrier which can be easily moved or removed in the event of an emergency and shall remain in place throughout the entire performance.

Section 308.3.6.2 Attendant. Performances shall be constantly attended by a person knowledgeable in the use of a fire extinguisher at the rate of at least 1 attendant for every four active performers. Attendants shall remain at the performance until the fire has been extinguished.

Section 308.3.6.3 Fire extinguishers. Adequate fire extinguishing equipment including but not limited to buckets of water, water soaked rags, water extinguishers or charged hoselines, shall be readily available for use during the performance. Portable fire extinguishers shall be provided at a minimum of one 20-B;C extinguisher for every four active performers.

Section 308.3.6.4 Clearance from combustibles. A 25-foot clearance from all combustibles shall be maintained in all directions.

SECTION 311 - VACANT PREMISES

Section 311.2.2 Fire protection. Is hereby **AMENDED** by **DELETING** (in their entirety) Exceptions #1 and #2.

SECTION 313 - FUELED EQUIPMENT

Section 313.1 Fueled equipment. Is hereby **AMENDED** by **ADDING** the following exception:

Exception #4 is hereby **ADDED** to read as follows:

4. Use of LP-gas-powered equipment in accordance with NFPA 58.

Section 313.2 Group R occupancies. Is hereby **AMENDED** by **ADDING** the words “, operated or repaired” after “...shall not be stored”.

SECTION 314 - INDOOR DISPLAYS

Section 314.4 #3 Vehicles. Is hereby **AMENDED** by **ADDING** the words “and the escape of vapors.” after “to prevent tampering.”

SECTION 316 - HEAT-PRODUCING APPLIANCES

Section 316.1 General. Is hereby **ADDED**:

Section 316.1 General. Heating appliances shall be installed and maintained in accordance with their listing and the City of Tucson Building, Electrical, and Mechanical codes. Clearance from combustible material shall be maintained as set forth in the Building and Mechanical codes and the product listing.

Section 316.2 Clothes dryers. Clothes dryers shall be frequently cleaned to maintain the lint trap and mechanical and heating components free from excessive accumulations of lint.

CHAPTER 4

EMERGENCY PLANNING AND PREPAREDNESS

SECTION 401 – GENERAL

Section 401.1 Scope. Is hereby **AMENDED** by **DELETING** (in its entirety) the Exception.

Section 401.3.1 Making false alarm. Is hereby **DELETED** (in its entirety) and **REPLACED** with the following:

Section 401.3.1 False alarms. False alarms and/or nuisance alarms caused by faulty equipment shall not be given, signaled, or transmitted, or caused, or permitted to be given, signaled, or transmitted in any manner.

SECTION 403 – PUBLIC ASSEMBLAGES AND EVENTS

Section 403.1 Fire watch personnel. Is hereby **AMENDED** by **ADDING** the following subsection:

Section 403.1.2 Standby personnel. Whenever, in the opinion of the fire code official, the safety of the public is essential in a place where people congregate, due to the number of persons present or the nature of the activity, the owner, agent or lessee shall employ one or more qualified persons to perform the duties of Standby Personnel. Standby Personnel shall be subject to the fire code official's orders at all times when so employed, and shall remain on duty during the times such place is open to the public, or at times specified by the fire code official.

The duties of the personnel assigned to work under the provisions of this section shall be as prescribed by the fire code official. Standby personnel shall not be required or permitted, while on duty, to perform any duties other than those specified by the fire code official.

When the fire code official has determined that standby personnel will be required to take prompt measures to extinguish any fires that may occur, such standby personnel shall be off duty City of Tucson firefighters. Compensation of such firefighters shall be as provided by the City Classified Position Compensation Plan and, upon receipt of a bill therefore, said owner, agent or lessee shall remit to the City of Tucson such amounts as are due in accordance with said plan.

Section 403.3 Special amusement buildings. Special amusement buildings used for a period of time not exceeding 45 days shall also conform to the requirements in Section 403.1, in addition to the provisions set forth in Chapters 1, 2, 4, 9 and 10 and the International Building Code.

EXCEPTION: Amusement buildings or portions thereof which are without walls or a roof and constructed to prevent the accumulation of smoke in assembly areas.

Section 403.3.1 Permit required. An operational permit is required to operate a special amusement building for a period of time not to exceed 45 days and in addition to the provisions in chapters 1,2,4,9 and 10 you shall notify the Fire Marshal thirty (30) days prior to opening a special amusement. Plans shall be submitted to the Fire Prevention Section and Community Safety Division and approved 30 days before the opening of the building or structure to the public.

Section 403.3.2 General. The fire official shall approve where mazes, mirrors or other effects are used to confound the egress path, exits and exit signs and where practicable, shall comply with the requirements specified in Chapter 10 of this code.

Section 403.3.3 Travel distance. No portion of a maze may be further than 50 feet from an obvious, marked exit out of the maze.

Section 403.3.4 Hazards. Open flame or flammable and combustible liquids are prohibited within such occupancies.

Section 403.3.5 Operating at Reduced Lighting Levels

Section 403.3.5.1 General. When such facilities operate at reduced lighting levels they shall adhere to the following provisions:

1. Guide(s). Guides are required when haunted houses; fun houses and similar uses operate at reduced lighting levels. The guides shall be responsible for complying with the following provisions:

A. When people enter such occupancy, they shall be organized into a group not to exceed 20 persons (including the guides), and said group shall be accompanied by guides who shall be familiar with the facility.

B. The guides shall have an operable flashlight on their person at all times.

C. The guides shall have direct communication with an attendant located at the switch controlling the house lights.

2. Lighting attendant. There shall be an attendant who can immediately turn on the house lights in case of an emergency.

3. Change of Elevations. Any change of elevation within a building or structure operating at reduced lighting level shall be provided with a minimum of one-foot candle illumination at floor level.

CHAPTER 5

FIRE SERVICE FEATURES

SECTION 503 - FIRE APPARATUS ACCESS ROADS

Section 503.2.1 Dimensions. Is hereby **AMENDED** by **DELETING** the words: "... 13 feet 6 inches (4115 mm)" and **ADDING** the words: "...15 feet (4572 mm)".

Section 503.2.3 Surface. Is hereby **AMENDED** by **DELETING** the words: "surfaced so as to provide all-weather driving capabilities" and **REPLACING** with the words: "paved with structural sections designed in accordance with City of Tucson Development Standard 3-01.3.0".

Section 503.2.7 Grade. Is hereby **AMENDED** by **DELETING** the words: "within the limits established by the fire code official based on the fire department's apparatus" and **ADDING** the words "in accordance with City of Tucson Development Standard 3-01.4.5".

Section 503.4 Obstruction of fire apparatus roads. Is hereby **DELETED** (in its entirety) and **REPLACED** with the following:

Section 503.4 Obstruction of fire apparatus roads. The required width of any fire apparatus access roadway on City or private property shall not be obstructed in any manner, including the parking or stopping of any vehicle other than an authorized emergency vehicle. A vehicle parked illegally in a fire apparatus access roadway may be removed and impounded under the provisions of the Tucson Code, 20-12. An owner or operator of a vehicle parked illegally in a fire apparatus access roadway or the person responsible for any non-vehicular obstruction shall be guilty of a civil infraction. The minimum widths and clearances established in Section 503.2.1 shall be maintained at all times.

Section 503.6 Security gates. Is hereby **AMENDED** by **DELETING** the first sentence, and **ADDING** the following:

The installation of security gates across a fire apparatus access road shall be maintained in accordance with Section 503.2.1 or as approved by the fire code official.

Section 503.6 Security gates. Is hereby **AMENDED** by **ADDING** the following subsections:

Section 503.6.1 Electric operating gates. Gates that use electric or other means of power to automatically open or unlock shall have a manual override system. Manual override controls shall be located on the entrance side of gate, or when power has failed, the gates(s) shall open and stay open until power is restored for normal operations.

Section 503.6.2 Fire apparatus access road gates. Gates/barricades securing the fire apparatus access roads shall comply with all of the following criteria:

1. The minimum gate width shall be 20 feet (6096 mm) unobstructed.
2. Gates shall be of the swinging or sliding type.
3. Construction of gates shall be of materials that allow manual operation by one person.
4. Gate components shall be maintained in an operative condition at all times and replaced or repaired when defective.
5. Electric gates shall be equipped with a means of opening the gate by fire department personnel for emergency access on to the property or leaving the property.
6. Locking device specifications shall be submitted for approval to the fire code official.
7. Gates/barricades that are permanently secured for access reasons shall be posted with the approved fire access signs, on both sides of the gate/barricade. Signs can be mounted on gate or follow requirements under section Appendix D.

Section 503.7 Maintenance. Is hereby **ADDED**:

Section 503.7. Maintenance. “The person(s) in possession of the premises on and into which a fire apparatus access roadway is required shall be solely responsible for the maintenance of such roadways and all required signs. No owner, manager or other person(s) in charge of premises served by a required fire apparatus access roadway shall abandon or close the fire apparatus roadway or any part thereof without permission of the fire code official.”

The person(s) in possession of the premises shall be responsible for ensuring that fire apparatus roadways are clear at all times.

SECTION 505 - PREMISES IDENTIFICATION

Section 505.1 Address numbers. Is hereby **AMENDED** by **DELETING** everything after the first sentence, and **ADDING** the following:

Address numbers shall be in accordance with Pima County address display requirements.

SECTION 508 - FIRE PROTECTION WATER SUPPLIES

Section 508.1 Required water supply. Is hereby **AMENDED** by **ADDING** a second paragraph to read as follows:

Where property is subdivided with or without the creation of public or private streets for the expressed purpose of providing said subdivided parcels for sale or otherwise permitting separate and/or individual development to occur, an approved water supply capable of supplying the projected fire flow for fire protection shall be provided and extended to serve directly any and all subdivided properties. The projected fire flow will be based on the greatest potential demand posed by any type of occupancy allowed by zoning laws on the projected property.

Section 508.3 Fire flow. Is hereby **AMENDED** by **DELETING** the words “shall be determined by an approved method” and **ADDING**, “shall be in accordance with Appendix B”

Section 508.5.1 Where required. Is hereby **DELETED** (in its entirety) and **REPLACED** with the following:

Section 508.5.1 Where required. Where a portion of a facility or building hereafter constructed or placed or located within the jurisdiction is more than 300 feet (91.5m) from a fire hydrant on a fire apparatus access road, as measured by approved route around the exterior of the facility or building, additional fire hydrants and/or mains shall be provided where required by the fire code official.

Exception: For Group R-3 and Group U Occupancies, the distance requirement shall be 400 feet (122m).

Section 508.5.2 Inspection, testing and maintenance. Is hereby **DELETED** (in its entirety) and **REPLACED** with the following:

Section 508.5.2 Required installations. Fire hydrants installed as a result of any order or permit shall be spaced so that short hose lines can be employed and there are a sufficient number of fire hydrants within the distance necessary to obtain the required fire flow as determined using Appendix B. In other than single family residential areas, hydrants shall be spaced so that they are not more than 300 feet (91.5m) apart. For single-family residential areas, hydrants shall be spaced so that they are not more than 500 feet (152.5m) apart and not more than 400 feet (122m) hose lay distance from any structure. Hydrant spacing and hose lay requirements may be modified by the fire code official when all structures are protected with automatic fire sprinkler systems in accordance with Section 903.3.1.1, 903.3.1.2 or 903.3.1.3.

CHAPTER 8

INTERIOR FINISH, DECORATIVE MATERIALS AND FURNISHINGS

Section 806 – DECORATIVE VEGETATION IN NEW AND EXISTING BUILDINGS.

Section 806.1.1 Restricted occupancies. Is hereby **AMENDED** by **ADDING** the letter ... “B” occupancy.... after the letter “A” occupancy.

Exception #1: Is **AMENDED** by **ADDING** the letter...“B”... occupancy after the letter ... “A”... occupancy.

CHAPTER 9

FIRE PROTECTION SYSTEMS

SECTION 901 - GENERAL

Section 901.2 Construction documents. Is hereby **AMENDED** by **ADDING** the following subsection:

Section 901.2.2 Plans for fire sprinkler systems. Complete plans and hydraulic calculations for fire sprinkler systems installations shall be submitted for review and approval prior to beginning installation, modification or alteration. Plans shall be drawn to an indicated scale, on sheets of uniform size and shall show, as a minimum the data required by NFPA 13-2002 Chapter 14. Water supply data for hydraulic calculations shall be based on 90 percent of the available water supply as determined by flow test information.

Section 901.4 Installation. Is hereby **AMENDED** by **DELETING** the word "Required" in the second sentence.

TABLE 901.6.1 FIRE PROTECTION SYSTEM MAINTENANCE STANDARDS. Is hereby **AMENDED** by **DELETING** the words "NFPA 25" and "NFPA 72" from the Table and **REPLACING** both with "APPENDIX C".

SECTION 903 – AUTOMATIC SPRINKLER SYSTEMS

Section 903.1 General. Is hereby **AMENDED** by **DELETING** (in its entirety) Section 903.1.1.

Section 903.2.2 Group E. Is hereby **DELETED** (in its entirety) and **REPLACED** with the following:

Section 903.2.2 Group E. An automatic fire sprinkler system shall be provided throughout all Group E Occupancies.

Exception: One story buildings when each room used for instruction has at least one exit door directly to the outside at ground level, and when rooms used for assembly purposes have at least one-half of the required exits directly to the exterior ground level, an automatic sprinkler system need not be provided.

Section 903.2.3 Group F-1. Is hereby **REVISED** by **REPLACING** the word "three" with the word "two".

Section 903.2.6 Group M. Is hereby **REVISED** by **REPLACING** the word "three" with the word "two".

Section 903.2.7 Group R. Is hereby **AMENDED** by **ADDING** a second paragraph.

Existing sorority and fraternity house and existing Group R-4 occupancies shall have automatic sprinkler systems installed. A permit shall be issued within two years of the adoption of this code and the work shall be completed within three years of the adoption of this code. This requirement does not apply to detached single family dwellings that are licensed by the Arizona Department of Health Services or the Department of Economic Security (Administration for Children, Youth and Families) prior to the effective date of this amendment and occupied with six or fewer persons with a behavioral health diagnosis.

Section 903.2.8 Group S-1. Is hereby **REVISED** by **REPLACING** the word "three" with the word "two".

Section 903.2.10.1 Stories and basements without openings. Is hereby **REVISED** by **REPLACING** the first paragraph with the following:

An automatic sprinkler system shall be installed throughout every story of all buildings where the floor area exceeds 1500 square feet, and all basements regardless of size, where there is not provided at least one of the following types of exterior openings:

Section 903.2.10.3 Buildings more than 55 feet in height. The existing subsection is hereby **DELETED** (in its entirety) and **REPLACED** with the following:

Section 903.2.10.3 Buildings more than two stories. An automatic sprinkler system shall be installed throughout all buildings more than two stories or with a floor level having an occupant load of 30 or more that is located 55 feet or more above the lowest level of fire department vehicle access.

Exception: Open parking garages.

Section 903.3.1.1.1 Exempt locations. Is hereby **REVISED** by **DELETING** (in its entirety) item number four.

SECTION 904–ALTERNATE AUTOMATIC FIRE–EXTINGUISHING SYSTEMS

Section 904.11.2 System interconnection. Is hereby **REVISED** by **ADDING** the following to the end of the first sentence: "and to all electrical receptacles located within the perimeter of the protected exhaust hood."

Section 904.11 Commercial cooking systems. Is hereby **AMENDED** by **ADDING** the following:

Section 904.11.7 Separation. All deep-fat fryers shall be installed with at least a 16 inch (406 mm) space between the fryer and surface flames of adjacent cooking appliances.

Exception:

1. Where a steel or tempered glass baffle plate is installed at a minimum 8 inches (203 mm) in height between the fryer and surface flames of the adjacent cooking appliance, the requirement for a 16 inch space shall not apply. Where the fryer and the surface flames of the adjacent cooking appliance are at different horizontal planes, the minimum height of 8 inches (203 mm) shall be measured from the higher of the two.

SECTION 906 – PORTABLE FIRE EXTINGUISHERS

Section 906.1 Where required. The existing subsection is hereby **AMENDED** by **DELETING** paragraph #1 and its Exception.

SECTION 912 – FIRE DEPARTMENT CONNECTIONS

Section 912.5 Blackflow protection. Is hereby **DELETED**

Section 912.6 Inspection, testing and maintenance. Is hereby **AMENDED** by **RENUMBERING** it as 912.5 AND **DELETING** “NFPA 25” and **ADDING** “Appendix C.”

SECTION 913 – FIRE PUMPS

Section 913.5 Testing and maintenance. Is hereby **AMENDED** by **DELETING** “NFPA 25” and **ADDING** “Appendix C.”

CHAPTER 10

MEANS OF EGRESS

SECTION 1008 – DOORS, GATES AND TURNSTILES

Section 1008.1.3.4 #3 Access-controlled egress doors. Is hereby **AMENDED** by **ADDING** the following sentence after the words “PUSH TO EXIT”:

Lettering shall be at least 1 inch (25 mm) in height and shall have a stroke of not less than 1/8 inch (3.2 mm), on a contrasting background next to unlocking device.

Section 1008.1.8.6 #4 Delayed egress locks. Is hereby **AMENDED** by **DELETING** the Exception.

Section 1008.1.8.6 #5 Delayed egress locks. Is hereby **DELETED** and **REPLACED** with the following sentence:

A sign shall be provided on the door located above and within 12 inches (305 mm) of the release device. Lettering shall be at least 1 inch (25 mm) in height and shall have a stroke of not less than 1/8 inch (3.2 mm), on a contrasting background. The sign shall state the following **“PUSH UNTIL ALARM SOUNDS. DOOR CAN BE OPENED IN 15 (30) SECONDS.**

[B] SECTION 1011 EXIT SIGNS

Section 1011.2 Sign Illumination. Is hereby **REVISED** by adding the following sentence to the end of the first paragraph:

"Floor level exit signs, when exit signs are required, additional approved low-level exit signs which are internally or externally or self-illuminated shall be provided in all interior corridors serving guest rooms of hotels in Group R-1 occupancies."

SECTION 1028 - MAINTENANCE OF THE MEANS OF EGRESS

Section 1028 Maintenance of the means of egress. Is hereby **AMENDED** by **ADDING** the following subsection:

Section 1028.8 Panic hardware. Where panic and fire exit hardware is installed, the panic or fire exit hardware shall be the only locking device on the door except where otherwise permitted in this code.

CHAPTER 11

AVIATION FACILITIES

SECTION 1106 - AIRCRAFT FUELING

Section 1106.3 Construction of aircraft-fueling vehicles and accessories. Is hereby **AMENDED** by **ADDING** the words “and NFPA 385” to the end of the sentence.

Section 1106.3.3 Dispensing hoses and nozzles. Is hereby **AMENDED** by **ADDING** the word ... “deadman” ... to the second sentence after the word “approved”....

Section 1106.11.3 – Drum fueling. Is hereby **AMENDED** by **ADDING** the following subsection:

Section 1106.11.3.1 Container Fueling. Pouring or gravity flow shall be permitted from an approved container with a capacity not greater than 5 gallons. Container utilized shall have the capability to be properly bonded.

CHAPTER 14

FIRE SAFETY DURING CONSTRUCTION AND DEMOLITION

SECTION 1412 – WATER SUPPLY FOR FIRE PROTECTION

Section 1412.1 When required. Is hereby **DELETED** (in its entirety) and **REPLACED** with the following subsection:

Section 1412.1 When required. Fire hydrants, connected to an approved water supply for fire protection, shall be installed and in service prior to placing combustible material on site.

CHAPTER 22

MOTOR FUEL-DISPENSING FACILITIES AND REPAIR GARAGES

SECTION 2208 - COMPRESSED NATURAL GAS MOTOR FUEL-DISPENSING FACILITIES

Section 2208.3. Location of dispensing operations and equipment. Is hereby **AMENDED** by **ADDING** the following subsection:

Section 2208.3.2 Vehicle impact protection. Vehicle impact protection for CNG gas storage containers, pumps and dispensers shall be provided in accordance with Section 312.

CHAPTER 24

TENTS, CANOPIES AND OTHER MEMBRANE STRUCTURES

SECTION 2403 – TEMPORARY TENTS, CANOPIES AND MEMBRANE STRUCTURES

Section 2403.2 Approval required. Is hereby **DELETED** (in its entirety) and **REPLACED** with the following subsection:

Section 2403.2 Approval required. Tents and membrane structures having an area in excess of 400 square feet (37m²) and canopies in excess of 900 square feet (84m²) shall not be erected, operated or maintained for any purpose without first obtaining a permit and approval from the fire code official.

Exception:

1. Tents used exclusively for recreational camping purposes.

Section 2403.8.2 Location. Is hereby **AMENDED** by **DELETING** the words “...parked vehicles or internal combustion engines.”

Section 2403.12.3 Exit openings from tents. Requirement #2 is hereby **AMENDED** by **ADDING** the following:

“...or adequately marked otherwise indicating an exit opening.”

Section 2403.12.4 Doors. Is hereby **AMENDED** by **ADDING** the words:

Doors that latch shall have panic hardware installed and operating at all times.

SECTION 2404 – TEMPORARY AND PERMANENT TENTS, CANOPIES AND MEMBRANE STRUCTURES

Section 2404.18.2.3 Closure. Is hereby **AMENDED** by **DELETING** the words “...locked and...”.

CHAPTER 25

TIRE REBUILDING AND TIRE STORAGE

SECTION 2505 – OUT DOOR STORAGE

SECTION 2505.4 Distance from lot lines and buildings. Is hereby **AMENDED** by **ADDING** the following **Exceptions**:

Exception #1: For existing storage before August 4, 2004 individual piles not exceeding 5,000 square feet (464.5m²) of continuous area shall be located 10 feet (3048.3 mm) from buildings and lot lines for storage not exceeding 6 feet (1829 mm) in height.

Exception #2: For existing storage before August 4, 2004 individual piles exceeding 6 feet (1829 mm) in height shall be located 20 feet (6096.6 mm) from buildings and lot lines.

CHAPTER 26

WELDING AND OTHER HOT WORK

SECTION 2606 - ELECTRIC ARC HOT WORK

Section 2606.4 Emergency disconnects. Is hereby **AMENDED** by **ADDING** the following sentence to the end of the paragraph “The disconnect shall be marked EMERGENCY DISCONNECT and shall be visible from the equipment.”

CHAPTER 33

EXPLOSIVES AND FIREWORKS

SECTION 3304 – EXPLOSIVE MATERIALS STORAGE AND HANDLING

Section 3304.5.3.3 Use. Is hereby **Amended** by **ADDING** the word “...be...” between the words “...shall” and ...”used.” in the second sentence.

SECTION 3308 – FIREWORKS DISPLAY

Section 3308.10 – Disposal. Is hereby **AMENDED** by **DELETING** in its entirety and **REPLACING** with:

“Any unexploded aerial shells or live components found after the display shall not be approached or handled until at least one (1) hour has elapsed from the time the shells were fired. Any unexploded aerial shells or live components become the responsibility of the fire official and the operator. Shells that fail to lift from the mortar shall be considered misfires and shall be evaluated by the operator prior to any action taken. Shells that explode inside the mortar shall be evaluated by the fire code official and the operator prior to any action taken.”

CHAPTER 34

FLAMMABLE AND COMBUSTIBLE LIQUIDS

SECTION 3404 - STORAGE

Section 3404.2.12 Testing. Is hereby **AMENDED** by **ADDING** the following subsection:

Section 3404.2.12.3 Existing tanks and piping. Existing underground storage tanks and piping shall be tested for leakage at the owner's or operator's expense at least every 24 months in accordance with this section.

EXCEPTION: Underground storage tank systems with an approved method of detecting leaks from any component of the system.

Tanks shall be emptied of flammable or combustible liquids if required tests are not completed within the specified time.

When testing is required, owners or operators shall provide the fire code official with data setting forth the method of testing that is to be used and shall submit the name of a qualified individual who will conduct the test. A testing permit shall be obtained. The method of testing to be used shall consider the effects of temperature, pressure and other variables and shall establish conclusively whether the tank or piping is leaking. Pneumatic testing is prohibited.

Devices used for final testing shall be capable of detecting leaks as small as 0.05 gallon per hour. Leaking piping and equipment shall not be used until repaired or replaced.

The fire code official is authorized to require that the test be conducted in the code official's presence.

Section 3404.3.3.3 Clear means of egress. Is hereby **AMENDED** by **DELETING** the word “near” and **ADDING** the words “within 10 feet of an exit door”.

SECTION 3406 - SPECIAL OPERATIONS

Section 3406.5.4.5 Commercial, industrial, governmental or manufacturing is hereby **AMENDED** by **ADDING** the following to the first paragraph:

The transferring of liquids used as fuels from tank vehicles into the tanks of motor vehicles or special equipment located at commercial, industrial, governmental or manufacturing establishments is allowed, where permitted, provided such dispensing operations are conducted in accordance with this Section.

Prior to dispensing from tank vehicles into the tanks of fleet motor vehicles or special equipment at a fixed facility, a permit shall be obtained from the fire code official, see Section 105.6.16.

Section 3406.5.4.5 is hereby **AMENDED** by **ADDING** the following subsections:

25. Prior to removal of the fuel cap, the bond wire cable shall be securely clamped to the vehicle being fueled.
26. At no time shall the fueling hose extend across a trafficable lane without florescent traffic cones conspicuously placed so that all vehicle traffic is blocked. Vehicles shall not drive over any delivery hose.
27. Fuel expansion space shall be provided in each motor vehicle tank to prevent overflow.
28. The fuel cap of the vehicle being fueled shall be replaced prior to disconnecting the bonding cable.

Section 3406.5.4.6 Prohibition. Tank vehicles and tank trailers shall not be used as on-site storage containers.

Section 3406.6 Tank vehicles and vehicle operation is hereby **DELETED** (in its entirety) and **REPLACED** with the following:

Section 3406.6 Tank vehicles and vehicle operation. Tank vehicles shall be in accordance with the following:

1. The tank vehicle shall be road worthy, licensed by the Department of Motor Vehicles, and meet Arizona Department of Transportation requirements.
2. To ensure proper operation, a daily inspection of the tank vehicle shall be conducted by appropriately qualified and trained personnel. Any equipment or devices found to be defective shall be taken out-of-service immediately and repaired or replaced.
3. The tank vehicle shall be equipped with a readily accessible, operational emergency shut-off valve.

CHAPTER 38

LIQUEFIED PETROLEUM GASES

SECTION 3803 - INSTALLATION OF EQUIPMENT

Section 3803.2.1.7 Use for food preparation. Is hereby **DELETED** (in its entirety) and **REPLACED** with the following:

Section 3803.2.1.7 Use for food preparation. Listed and approved LP-Gas commercial food service appliances shall be permitted to be used inside restaurants and in attended commercial food catering operations provided that no commercial food service appliances shall have more than two 10-oz non-refillable butane gas containers having a maximum water capacity 1.08 lb. per container connected directly to the appliance at any time and containers shall not be manifolded. The appliance fuel container(s) shall be an integral part of the listed, approved commercial food service device and shall be connected without the use of a rubber hose. Butane containers shall be listed. Storage in restaurants and at food service locations of 10-oz butane non-refillable containers shall be limited to no more than twenty-four containers.

SECTION 3804 LOCATION OF CONTAINERS

Section 3804.2 Maximum capacity within established limits. Is hereby **AMENDED** by **ADDING** the following sections:

Section 3804.2.1 Maximum storage capacity. Upon approval of the Fire Code Official, installation of a LP-gas container exceeding a water capacity of 2,000 gallons shall be located in below grade vaults.

Section 3804.2.2 Leak detection. Vaults containing LP-gas container exceeding water capacity of 2,000 gallons shall have interstitial leak detection installed.

Section 3804.2.3 Fire protection. Fire protection shall be provided for installations having LP-gas storage containers in below grade vaults as required by Chapter 9 for hazardous occupancy and Sections 3-10 of NFPA 58.

APPENDIX C

Appendix C is DELETED (in its entirety) and **REPLACED** with the following:

APPENDIX C

INSPECTION, TESTING AND RECORD KEEPING REQUIREMENTS FOR WATER BASED FIRE PROTECTION SYSTEMS AND FIRE ALARM SYSTEMS. (See IFC Section 901.6.)

SECTION C101 - GENERAL

C101.1 Scope. Water-based fire protection systems and fire alarm systems shall be inspected and tested in accordance with this appendix.

C101.2 Frequency. Inspection and testing of systems prescribed in this appendix shall be conducted annually or as specified herein except that the fire code official may determine that additional inspection and/or testing is necessary to insure that systems or devices will operate properly in an emergency.

C101.3 Testing Personnel. The inspections and testing prescribed by this appendix shall be conducted by personnel demonstrated to be qualified to perform the full procedure for the particular system or device being inspected and/or tested.

C101.4 Records. Written records of required inspections and tests shall be maintained on forms approved by the fire code official. A copy of these records shall be kept available at the protected property and a copy shall be submitted to the fire code official.

C101.5 Notification of Inoperable System. The fire code official shall be notified immediately of any system or device regulated in this appendix that is

found to be inoperable. The person conducting the inspection shall be responsible for notification.

C101.6 Notification to Supervisory Service. Where a supervisory service is provided, the alarm receiving facility shall always be notified prior to conducting a test or procedure that could result in the activation of an alarm and after such tests or procedures are concluded.

C101.7 Responsibility. The property owner or manager is responsible for assuring that the inspection and testing requirements of this appendix are performed.

C101.8 Definitions. For the purpose of this appendix, certain terms are defined as follows:

TEST. Physical checks conducted on the system, part of the system or device to determine the serviceability of the system or device.

INSPECTION. A visual examination of the system, a portion of the system or a device to verify that the system or device appears to be in proper working condition, not blocked or obstructed and that the system or device is free from physical damage.

SECTION C102 - FREQUENCY AND SPECIFIC REQUIREMENTS FOR WATER- BASED FIRE PROTECTION SYSTEMS

SECTION NUMBER	SYSTEM COMPONENT	ACTIVITY TYPE	
		INSPECTION	TEST
C102.1	Fire Department Connection	X	
C102.2	Valves Controlling Water Supplies	X	X
C102.3	Main Drain		X
C102.4	Alarm Devices and Off Premises Monitoring		X
C102.5	Dry Pipe, Pre-action and Deluge System Valves		X
C102.6	Sprinklers	X	
C102.7	Pressure Gauges	X	X
C102.8	Standpipe Systems	X	
C102.9	Water Tanks	X	
C102.10	Fire Pumps	X	X
C102.11	Check Valves	X	X
C102.12	Back flow Prevention Assemblies	X	X

***If present, exit doors equipped with delayed egress locks shall unlock upon testing of the initiating devices.**

C102.1 Fire Department Connections.

C102.1.1 Inspection. (Annually)

1. The fire department connection is visible and accessible.
2. Couplings or swivels are not damaged and rotate smoothly.
3. Plugs or caps are in place and undamaged.
4. Gaskets are in place and in good condition.
5. Identification signs are in place.
6. The check valve is not leaking.
7. Remove plugs or caps and visually inspect the interior of the pipe for obstructions or foreign materials.
8. Verify screw thread hose couplings are National Standard Hose Thread in accordance with NFPA 1963

C102.2 Valves Controlling Water Supplies.

C102.2.1 Inspection. (Annually)

1. Determine that the valve is fully open, accessible and has no signs of physical damage.
2. Determine that the valve is properly supervised, sealed or locked in the open position.

C102.2.2 Test. (Annually)

1. Exercise the valve to insure that it moves freely.
2. Test electronic valve supervision for proper operation and transmission to off premises monitoring if provided.

C102.3 Main Drain.

C102.3.1 Test. (Annually)

1. Conduct a main drain flow test. Record results.
2. Determine that the drain discharges at a point where it is least likely to cause water damage.
3. Determine that the valve does not leak and that it moves freely.

C102.4 Alarm Devices and Off Premises Monitoring of Waterflow Alarm

C102.4.1 Test (Annually)

1. Test the waterflow alarm on wet pipe systems by opening the inspector's test valve fully open. Alarms should sound within not less than 30 seconds or more than two minutes.
2. Waterflow alarms on dry pipe, preaction or deluge systems shall be tested by using the By-pass connection.
3. If provided, contact the off premises monitoring agency to verify receipt of the water flow alarm.
4. If present, exit doors equipped with delayed egress locks shall unlock upon testing of the waterflow alarm.

C102.5 Dry Pipe, Preaction and Deluge Valves

C102.5.1 Test (Annually)

1. Systems shall be trip tested annually.

C102.6 Sprinklers

C102.6.1 Inspection (Annually)

1. Sprinklers shall be inspected from the floor level annually.
2. Sprinklers shall be free of corrosion, foreign materials, paint and physical damage and shall be installed in the proper orientation (e.g., upright, pendant or sidewall). Any sprinkler shall be replaced that is painted, corroded, damaged, or in the improper orientation.
3. Determine that there are no obstructed sprinklers and that spacing and temperature rating are proper.

C102.7 Pressure Gauges

C102.7.1 Inspection (Annually)

1. Inspect gauges on wet pipe systems to assure that they are in good condition and that normal water pressure is being maintained.
2. Gauges on dry, preaction and deluge systems shall be inspected to ensure that normal air pressure and water pressure are being maintained.

C102.8 Standpipes

C102.8.1 Inspection (Annually)

1. Inspect all hose outlets to ensure that they are accessible, protected caps are in place and the valve is fully closed.
2. Control valves for water supplies to wet standpipe systems shall be inspected to assure that the valve is fully open and supervised.
3. Remove and rerack each hose. Check each hose for mildew, cuts or other deterioration. Ensure that nozzles are in place.
4. Check all hose couplings, gaskets and nozzles for serviceability and obstructions.
5. Manual dry standpipes shall be tested for integrity every five years.

C102.9 Water Tanks

C102.9.1 Inspection (Annually)

1. Visually inspect tank for leaks, signs of corrosion or physical damage.
2. Determine the automatic filling system is operational.

C102.10 Fire Pumps

C102.10.1 Inspection (Annually)

1. Fire pumps shall be inspected annually in accordance with NFPA 20.

C102.10.2 Test (Annually)

1. Flow tests shall be conducted annually in accordance with NFPA 20. The minimum acceptable flow test shall include pressure and flow results at churn, capacity and 150% of rated capacity.

C102.11 Check Valves.**C102.11.1 Inspection** (Annually)

1. Check Valves shall be internally inspected every five years to verify that all components operate properly and are in good condition.

C102.12 Backflow Prevention Assemblies**C102.12.1 Inspection** (Annually)

1. Assemblies shall be inspected annually to assure that control valves are in the fully open position and properly supervised.

C102.12.2 Test (Annually)

1. All backflow prevention assemblies installed in fire protection systems shall be flow tested annually at the design flow rate of the sprinkler system, including appropriate hose stream demands. Friction loss across the device shall be measured and compared to the device manufacturer's specifications.

Where connections of a size sufficient to conduct a full flow test are not available, test shall be conducted at the maximum flow rate possible.

SECTION C103 - FREQUENCY AND SPECIFIC REQUIREMENTS FOR FIRE ALARM SYSTEMS

COMPONENT	ACTIVITY TYPE	
	INSPECTION	TEST
Fire Alarm Control and Annunciator Panels	X	X
Battery(s)		X
Initiating Devices	X	X
Initiating Devices, Supervisory		X
Alarm Notification Appliances	X	X
Other Control Features*		X
Off-Premises Monitoring		X

***If present, exit doors equipped with delayed egress locks shall unlock upon testing of the initiating devices.**

Visual inspections and testing methods for components and devices indicated shall be in accordance with NFPA 72-1999 Table 7-2.2.

APPENDIX D

Appendix D is **DELETED** (in its entirety) and **REPLACED** with the following:

APPENDIX D

FIRE APPARATUS ACCESS ROADS

Section D100 Scope. Fire apparatus access roads shall be in accordance with this appendix and all other applicable requirements of the International Fire Code.

Section D101 SIGNS

Every fire apparatus access roadway required under the authority of this section shall be posted with signs installed at points not more than one-hundred (100) feet apart along the length of the required fire apparatus access roadway. The bottom of every such sign shall not be less than seven (7) feet or more than ten (10) feet from the ground surface level. Signs shall be posted to face the direction of travel. Construction, installation, and maintenance of the signs shall be done at no expense to the City. Materials and locations of each sign shall be indicated in the plans submitted to the fire department.

Fire access signs shall conform to the Manual on Uniform Traffic Control Devices. The required sign shall be the international NO PARKING sign with a standard sign size (width and height) of 12 x 18 inches (300 x 450 mm), on a white reflective background. The international NO PARKING symbol shall be a black **P**, six inches high. Underneath the NO PARKING symbol, in one-and-five-eighths inch high and one-quarter inch stroke, in red lettering it shall read:

FIRE ACCESS TOW-AWAY



Only fire apparatus access roadways required under the authority of this section or as approved by the chief may be posted or identified with the approved sign shown above. Unauthorized signs shall be removed.

Section D102 Roads. Roads 20 to 28 feet in width. Fire apparatus access roads 20 to 28 feet wide shall be posted on both sides as a fire lane. **Roads greater than 28 and up to 36 feet in width.** Fire apparatus access roads greater than 28 and up to 36 feet wide shall be posted on one side of the road as a fire lane.

Exception: Roads 34 feet or wider with wedge curbs on both sides, need not to be posted.